



## MATERIAL SAFETY DATA SHEET

Freshwater Diatomite  
 Not classified as a hazardous substance according to the criteria of NOHSC

### COMPANY DETAILS

|                   |   |
|-------------------|---|
| Name:             | Diatomite Ozzy Solutions Pty Ltd          |
| Address:          | 102 O'Sullivan Beach Rd, Lonsdale SA 5160 |
| Telephone Number: | Not applicable                            |
| Mobile No:        | 0415 765 068                              |

### IDENTIFICATION OF SUBSTANCE

|                       |   |
|-----------------------|---|
| Product Name:         | Mother Nature's Insect Defence                      |
| Other Names:          | Diatomite, Diatomaceous Earth, DE, Amorphous silica |
| Physical Description: | Superfine < 20 µ                                    |

### HAZARDS IDENTIFICATION

Not classified as hazardous according to NOHSC criteria.  
 Not classified as dangerous goods according to the ADG code.

Must be stored under dry, well ventilated conditions.

### COMPOSITION/INFORMATION ON INGREDIENTS

|              |  |
|--------------|--|
| Composition: | Diatomite is principally amorphous silica, a powdery non-metallic mineral composed of the fossilised skeletal remains of tiny phytoplankton called diatoms. The product contains less than 3% respirable crystalline silica. |
| Chemical:    | Powder   |
| Ingredients: | Diatomite, DE 84-94% CAS# 61790-53-2<br>Silica as quartz generally <4% CAS# 14808-60-7   |
| Mineralogy:  | Amorphous silica as diatom microfossils generally 84-94%<br>quartz generally less than 4%<br>kaolin and smectite group clays 3-9%  |

## **HEALTH HAZARD INFORMATION AND FIRST AID MEASURES**

|                       |  |
|-----------------------|--|
| Swallowed:            | Diatomite is non-toxic. Wash out mouth with water. If irritation persists seek medical advice.   |
| Eye:                  | Particles will irritate the eye as any other foreign body. If contact with eye(s) occurs, wash with water while holding eye lid(s) open. If irritation persists seek medical advice.   |
| Skin:                 | Diatomite by nature is oil and water absorbent and will dry exposed skin. When handling diatomite powder, wear disposable gloves (nitrile or similar) to prevent over drying of hands  |
| Inhaled:              | If dust is created when handling this product, wear a suitable dust mask and ensure adequate ventilation. In the event of irritation, move the victim to fresh air. Drink a glass of water to clear throat and blow nose to evacuate dust. If irritation persists see a doctor.  |
| First Aid Facilities: | Eye wash and normal washroom facilities.   |
| Advice to Doctor:     | Treat symptomatically. The hazard from this product is the same as from any fine inert dust. The product absorbs moisture and may cause dryness in contact with mucus membranes. Pre-existing upper respiratory and lung conditions such as bronchitis, emphysema or asthma may be aggravated by exposure to the dust. |

## **PRECAUTIONS FOR USE**

|                      |  |
|----------------------|--|
| Exposure Limits:     | Due to low level of hazardous substances, this material is essentially non-toxic and non-hazardous. Exposure standards for nuisance dust apply.  |
| Personal Protection: | If adequate ventilation is not available in a dusty environment, avoid breathing dust by wearing an AS 1716 approved particulate filter respirator. Reference: AS/NZS 1715/1716 standards publication. |
| Eye Protection:      | The use of safety goggles or safety glasses with side shield protection is recommended.  |
| Hand Protection:     | The use of nitrile gloves is recommended.  |
| Ventilation:         | Natural ventilation should be sufficient, but a mechanical exhaust system is recommended if the product is being handled in a poorly ventilated area.  |
| Flammability:        | The material is not flammable. In the event of a surrounding fire, use appropriate fire extinguisher for the surrounding environment.  |

## **SAFE HANDLING INFORMATION**

|                        |  |
|------------------------|--|
| Storage:               | Keep Dry. The material is stable and should be stored in a dry well ventilated environment.  |
| Spills and Disposal:   | Increase Ventilation. Wear adequate respiratory protection and protective clothing and sweep up material avoiding dust generation. Dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Prevent the discarded material from entering a waterway or sewer. Dispose of any contaminated material in an approved facility such as a municipal landfill. |
| Fire/Explosion Hazard: | None   |

## **PHYSICAL AND CHEMICAL PROPERTIES**

|                      |                              |
|----------------------|------------------------------|
| Appearance:          | Light grey granules or dust. |
| Odour:               | No odour                     |
| Melting Point:       | 1500 Degrees C (approx.)     |
| Boiling Point:       | Not Applicable               |
| Solubility in water: | Insoluble                    |
| Specific Gravity:    | Approx. 0.4                  |
| Vapour Pressure:     | Not applicable               |
| Flash Point:         | Not applicable               |
| Flammability:        | Not flammable                |

## **CONTACT POINT**

Further information can be obtained from the supplier, website or the following telephone numbers:

|               |  |
|---------------|--|
| Website:      | <a href="http://www.deozzy.com">www.deozzy.com</a> |
| Phone Number: | 0427 890 181                                       |